SuSanA Open Exchange Forum India Chapter

## Sanitation First & Wherever the Need India Services



## INNER CITY SANITATION CHENNAI, INDIA

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Wherever the Need

Chapter

India

- Sanitation First UK
- Wherever the Need India Services (WTNIS)
- Working in India since 2000 addressing sanitation needs
- We provide GroSan (i.e. UDDT) toilets all of our projects start with a toilet
- We have constructed, installed, and managed over 3,500 toilets in rural, school and urban locations
- In 2010, we began researching and trialing the Inner City Sanitation (ICS) solution





#### PUDUCHERRY ICS: WHY PUDUCHERRY?

India Chapter





Baseline survey: 46% adults and 35% school children had missed 10 + working/school days in previous 6 months due to diarrhea

45,591 people living in Puducherry slums: 17.43% of the total population

Majority of slums dwellers do not have access to basic sanitation

Public toilets, where they exist, may be too far away from slums to be of practical use



#### **PUDUCHERRY ICS:**

India Chapter

ICS





India

- UDDT ecological toilet
- GroSan toilets operate on a container based model containers are regularly and safely collected before being transported to a secure compound
- Adapted to meet needs of slum environments: semipermanent units, free to use, basic hand washing facilities, low-tech solution designed to function efficiently in difficult, space-restricted slums
- Waste is naturally treated to make compost which is sold into the agricultural marketplace
- The ICS model generates revenue from the sa of compost and will become profitable in year
- ICS operational costs are approximately 3.5 c



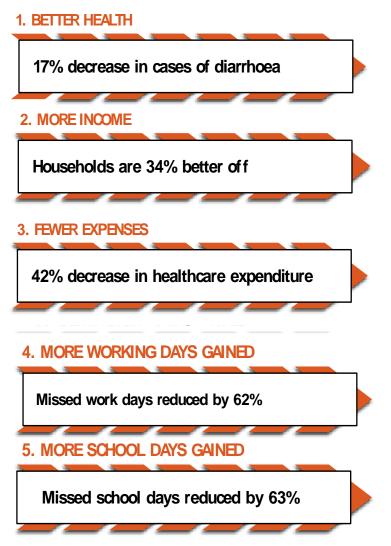


#### **PUDUCHERRY ICS:**



"The headline results for the Inner City Sanitation (ICS) in Pondicherry show stark changes in the lives of the communities benefiting from Sanitation First's support. This data the team have been able to collect illustrates how, in just over a year, the WASH interventions have had a huge impact on the health and economic status of people in Pondicherry."

(Emma Broadbent, Review of results and development of the M&E framework, March 2016)





### **SCALING UP GROSAN**





#### **ICS: WHY CHENNAI?**

India Chapter

There is an urgent and desperate need for sanitation in Chennai Slums:

Over 1.4 million people live in Chennai Slums

Existing public toilets are located in the 'wrong' places, locked at night, and unaffordable



Vast majority of these people are served by just 714 toilets (1,190 users per toilet)

Only 25% of these toilets were found to be in a clean, hygienic condition



#### **CHENNALICS**

India Chapter



The dramatic results from Pondicherry can be extrapolated to forecast the expected outcomes from our work in Chennai.

|           | PER FAMILY                                 | ICS COMMUNITY OF 1,200 FAMILIES                    |
|-----------|--|--|
| MONEY INR | ₹56,279 PER ANNUM BETTER OFF               | ₹6.75 crore back into the local economy            |
| WORK      | 12 EXTRA WORK DAYS PER ANNUM               | 2800 WORKING WEEKS OF INCREASED LOCAL PRODUCTIVITY |
|           | 7 EXTRA DAYS SPENT IN SCHOOL<br>EVERY YEAR | 43 ADDITIONAL YEARS OF SCHOOL ATTENDANCE.          |
|           |  |  |



India Chapter





# THANK YOU

Please visit us at sanitationfirst.org

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